

What is claimed is:

1. An improved mouse structure, comprising

a cover, being an elliptically curved shell with two ends, comprising a pivoting portion extending downwardly from one of the ends thereof, and a

5 hook formed on another end thereof;

a base, comprising a receiving portion formed on an end thereof for receiving the pivoting portion, an engaging seat formed on another end thereof, and an engaging hole formed on the engaging seat for engaging with the hook.

2. The improved mouse structure as in claim 1, wherein the cover further
10 comprises a saddle formed with a wheel hole therein for containing and projecting a wheel, the saddle extends forwardly and downwardly for a predetermined length with a distal end, and the hook protrudes from an inner surface of the distal end of the saddle.

3. The improved mouse structure as in claim 1, wherein the pivoting
15 portion has an extending portion extending downwardly from an edge of the cover, and a pair of pivoting shafts respectively protruding outwardly from two ends of the extending portion.

4. The improved mouse structure as in claim 3, wherein the pivoting
portion further comprises a stopping portion protruding outwardly from an
20 outside edge thereof, wherein when the cover is opened, the stopping portion stops the cover at a predetermined angle.

5. The improved mouse structure as in claim 3, wherein the receiving
portion of the base has a central recess for containing the extending portion, and two U-shaped seats respectively formed on two sidewalls adjacent the

central recess, wherein each of the U-shaped seats is formed with a slot for receiving the pivoting shafts therein.

6. The improved mouse structure as in claim 5, wherein the mouse has a V-shaped battery seat disposed therein, the battery seat comprising a front gap
5 for receiving a portion of the wheel, and the mouse is reduced by a predetermined lengthwise length.

7. The improved mouse structure as in claim 6, wherein the battery seat has two tail portions formed on two side of an end thereof, each tail portion has a fixing portion extending downwardly and engaging the U-shaped seat for
10 retaining the pivoting shafts in the U-shaped seat.

8. The improved mouse structure as in claim 7, further comprising a PCB (printed circuit board) disposed under the battery seat and connected with the base.

9. The improved mouse structure as in claim 8, further comprising a
15 transparent lens assembled under the PCB for guiding light from the light source to the surface where the mouse rests on.

10. The improved mouse structure as in claim 1, wherein the cover further comprises a pair of side boards respectively disposes on two sides thereof, and each side board is formed with a concave portion for gripping, and when the
20 pair of side boards are pressed, the cover compresses inwardly and the hook moves forwardly and out of the engaging hole.

11. The improved mouse structure as in claim 10, wherein the base is formed with two U-shaped side grooves in two sides thereof for receiving the side boards therein.

12. The improved mouse structure as in claim 1, wherein the engaging seat is generally U-shaped, and has two side walls extending inwardly from a front portion of the base, an inner wall connecting with the two side walls, and a locking plate extending forwardly and downwardly from a top of the inner wall, wherein the engaging hole is formed in the locking plate.

5